

CITY OF DANVILLE, VIRGINIA

GENERAL PERMIT REGISTRATION NUMBER VAR040018



VSMP MS4 GENERAL PERMIT

PROGRAM PLAN

ANNUAL REPORT

REPORTING PERIOD JULY 1, 2008 – JUNE 30, 2009

TABLE OF CONTENTS

Section A: Report Information

Section B: Status of Minimum Measures and Best Management Practices

- Minimum Measure #1: Public Education and Outreach on Storm Water Impacts
- Minimum Measure #2: Public Involvement/Participation
- Minimum Measure #3: Illicit Discharge Detection and Elimination
- Minimum Measure #4: Construction Site Stormwater Runoff Control
- Minimum Measure #5: Post-Construction Stormwater Management in New Development/Redevelopment
- Minimum Measure #6: Pollution Prevention/Good Housekeeping for Municipal Operations

Section C: Maps

- Map of Completed Storm Drain Locations
- Sanitary Sewer Map
- Impaired Waters Map
- Stormwater Management Facilities Map

Appendix

- Publication
- Outreach Materials
- Letter to DCC
- Letter to VDOT
- BMP Data CD (included only in one DCR submitted copy)

Section A

Report Information

Background Information

Name of Locality: City of Danville

Permit Number: VAR040018

Annual Report Year: July 1, 2008 – June 30, 2009

Modifications to any department's roles and responsibilities: none

Number of new MS4 outfalls and associated acreage by HUC added during this permit year: There were 7 new MS4 outfalls during this permit term. {RD33 (1) – 2.57 acres, RD39 (5) – 16 acres, RD41(1) – 2.7 acres}.

Certification:

"I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations."

M. Lyle Lacy, III City Manager

Status Of Compliance With Permit Conditions: Overall it appears that the City of Danville is in compliance with all applicable permit conditions. The City has implemented BMPs for each of the Six Minimum Measures and will continue to incorporate new BMPs as scheduled while reviewing existing BMPs and policies. The status of each BMP and associated goals can be found in Section B.

Results Of Information Collected and Analyzed: No monitoring data was collected during this reporting period.

Summary Of Stormwater Activities For Next Reporting Cycle:

(1) Public Education and Outreach on Storm Water Impacts – Outreach materials will continue to be presented via print, web, and TV20. Illicit discharge information will be distributed to City employees. Citizens and businesses will also be targeted for outreach concerning illegal discharges. Neighborhood organizations and school students will receive information concerning stormwater pollution. Meetings

will be held for local engineers and contractors to discuss existing and pending stormwater and Erosion and Sediment Control regulations.

(2) Public Involvement/Participation – The City will continue to promote the availability of the Program Plan and Annual Report for review. Comments will be documented and considered. Parks and Recreation will also schedule another Dan River cleanup day in the spring.

(3) Illicit Discharge Detection and Elimination – An audit of existing capabilities will be done, a program head and support staff will be identified, and a reporting system will be established. Information will continue to be presented by print, web, and TV20. The storm sewer mapping will be continued, using our consultant Dewberry and the sanitary mapping will continue to be updated as necessary.

(4) Construction Site Stormwater Runoff Control – The Erosion and Sediment Control Program will continue to be implemented. The City will continue to require that the VSMP Construction Permit be obtained for applicable sites. The ESC ordinance will be reviewed, revised, and presented to City Council for update as necessary.

(5) Post-Construction Stormwater Management in New Development/Redevelopment – Tracking of post-construction BMPs will continue. Maintenance agreements will continue to be required for any post construction BMPs. Water quality and water quantity BMPs will continue to be required on applicable projects. New construction VSMP regulations will also be examined and work will begin on ordinance revisions to include the new required regulations.

(6) Pollution Prevention/Good Housekeeping for Municipal Operations – Operation & maintenance procedures will be developed for certain City departments and facilities. Municipal services that help reduce stormwater pollution will continue. Soluble materials will continue to be stored in manner that reduces their exposure to stormwater. Applicable employees will continue to be educated about good housekeeping procedures.

Change In Any Identified BMPs or Goals: Under BMP 1.14, the first goal reads as follows: “Information concerning stormwater pollution from fertilizers and yard waste will be distributed to all local listed lawn care service providers in the City at least once every 12 months.”

****GOAL REVISED**** “Information concerning stormwater pollution from fertilizers and yard waste will be distributed to all local listed lawn care service providers in the City every March beginning in March 2010.”

Under BMP 3.11, the third goal reads as follows: “Lockdown waterproof tops are now required on all new sanitary sewer manholes.” This goal should have read “Lockdown waterproof tops are now required on all new sanitary sewer manholes on an outfall.” Watertight tops are used on paved areas in the right of way. The City does not currently have requirements for sanitary manhole tops on private property.

Notice Of Reliance On Another Government Entity: The City of Danville does not rely on any other government entity to satisfy any of the permit obligations.

Programs Pursuant To Section II C of the General Permit: N/A

Information Required Pursuant To Section I B 9 of the General Permit: N/A

Illicit Discharges: There were 14 illicit discharges identified during this reporting cycle. All discharges were corrected by the owner of the property. A description of each location is as follows:

- 112 Lombardy Court : 8/22/08 - Sewage was leaking onto ground at the rear of the structure. Notice was given and the owner repaired the sewer pipe.
- 147 Avalon Drive: 10/2/08 - The sanitary sewer lateral was leaking onto the ground. Notice was given and the owner repaired the sewer pipe.
- 42 Stokesland Avenue: 11/26/08 - The homeowner's washing machine was draining onto the sidewalk. Notice was given and the owner connected the washing machine drain to the sanitary sewer.
- 119 Third Avenue: 2/3/09 -The cleanout cap on the sewer lateral was missing and sewage was leaking onto the ground. Notice was given and the owner had the cap replaced.
- 253 Cleveland Street: 4/11/09 - A broken sewer lateral was allowing sewage to leak onto the ground. Notice was given and the owner had the broken sanitary lateral repaired.
- 325 Plum Street: 4/21/09 - The sewer lateral was leaking. Notice was given and the owner had the sewer lateral repaired.
- 399 Chatelaine Street: 4/28/09 - Sewage leak. Notice was given and the sewer leak was repaired.
- 928 Riverside Drive: 4/28/09 - The sanitary sewer lateral cleanout was leaking. Notice was given and the cleanout was repaired.
- 245 Cleveland Street: 4/30/09 - The sanitary sewer lateral was stopped up causing sewage to leak onto the ground. Notice was given and the sanitary sewer lateral was repaired.
- 253 Alpine Drive: 5/12/09 -The washing machine drain was not connected to sanitary sewer and was discharging on the ground. Notice was given and the owner connected the washing machine drain to the sanitary sewer.
- 239 Baugh Street: 5/15/09 - Sewer leak. Notice was given and the sewer leak was repaired.
- 118 Arnett Boulevard: 5/18/09 - Sewer lateral not maintained / leaking. Notice was given and the sanitary sewer lateral was replaced.
- 3220 Westover Drive: 5/19/09 - Plumbing fixtures not connected to public sewage, poor maintenance of sewer piping and system. Notice was given and the fixtures were connected to the sanitary sewer and the sewer lateral was repaired.
- 118 Spring Avenue: 6/19/09 - Sewer pipe not maintained. Notice was given and the owner had the sewer lateral repaired.

Regulated Land Disturbance Activities: There were 21 new Land Disturbance permit issued during this reporting period with a total disturbed area of 36 acres. On July 1, 2008 there were approximately 169 acres of disturbed area permitted based on 44 active Land Disturbance Permits. On June 30, 2009 there were 88 disturbed acres permitted based on 28 active Land Disturbance Permits. Land Disturbance information is also submitted monthly to the DCR Clarksville Office.

Known Permanent Stormwater Management Facility Data: This information is included on the CD enclosed with the report.

Agreements With Third Parties: There were no agreements between the City and third parties for implementation of any of the minimum control measures.

Public Comments: There were no public comments concerning the Program Plan this reporting period. The Program Plan is available for review on the City of Danville's website as well at the City Engineer's office. Notification of the availability of this plan is posted on the bulletin board on the City's cable access channel (TV-20). The City of Danville welcomes comments on the Program Plan at any time during the year.

Section B

Status of Minimum Measures and Best Management Practices

Public Education and Outreach on Storm Water Impacts

Implement a public education program to distribute educational materials to the community, or conduct equivalent outreach activities about the impacts of storm water discharges on water bodies and the steps that can be taken to reduce pollutants in stormwater runoff. The department recommends that the operator review the EPA publication entitled "Getting in Step: A Guide for Conducting Watershed Outreach Campaigns," publication number EPA 841-B-03-002, for guidance in developing a public education program.

The operator shall identify, schedule, implement, evaluate and modify, as necessary, BMPs to meet the following public education and outreach goals:

- a. Increased individual and household knowledge about the steps that they can take to reduce stormwater pollution, placing priority on reducing impacts to impaired waters and other local water pollution concerns.

BMP 1.1: Stormwater pollution prevention information

Existing: Fliers, PSA

Responsibility for Implementation: Public Works

BMP Objective: To provide comprehensive information to the citizens of Danville

Expected Results: Increased knowledge by citizens concerning stormwater pollution

Implementation Schedule: before June 30, 2009 (new PSA-before June 30, 2011)

Evaluation of Effectiveness: This BMP will be reviewed annually and revised as necessary.

Measurable Goals and Status of each Goal:

- An article will be published at least once annually in a local publication concerning residential stormwater pollution and how it can be reduced or prevented.

STATUS: An article was published in the "Saf-T-Works" publication concerning stormwater pollution.

- Literature will be placed at various locations around the City concerning residential stormwater pollution and how it can be reduced or prevented.

STATUS: Literature is available at various locations around the City including on the 2nd and 3rd floors of the Municipal Building, the Airport lobby, Public Works lobby, and at the Danville Science Center.

- The City's website will be modified to include tips for residential stormwater pollution prevention.

STATUS: The City's website has been modified to include tips for residential stormwater pollution prevention.

- Information will be posted on the City TV-20 bulletin board about household stormwater pollution prevention.

STATUS: Information has been posted on the TV20 bulletin board about household stormwater pollution prevention.

- Information will be presented in the form of a Public Service Announcement (PSA) on City TV-20, Comcast Spotlight, and/or local radio.

STATUS: It is intended that this goal will be met by June 30, 2011.

BMP 1.2: Water conservation tips

Existing: flier

Responsibility for Implementation: Public Works

BMP Objective: Education of the general public about the benefits of water conservation

Expected Results: Greater public knowledge of the benefits of water conservation practices

Implementation Schedule: currently implemented

Evaluation of Effectiveness: This BMP will be reviewed annually and revised as necessary.

Measurable Goals and Status of each Goal:

- The City's website will be modified to include tips for water conservation.

STATUS: The City's website has been modified to include tips for water conservation.

BMP 1.3: Pet Waste Management

Existing: none

Responsibility for Implementation: Public Works

BMP Objective: Education of citizens concerning impacts of pet waste on stormwater pollution

Expected Results: Increased public knowledge and modified behavior

Implementation Schedule: Before June 30, 2009 (Ordinance will be submitted to council by June 30, 2011)

Evaluation of Effectiveness: This BMP will be reviewed annually and revised as necessary.

Measurable Goals and Status of each Goal:

- Literature will be placed at various locations around the City concerning the importance of pet waste management.

STATUS: Literature is available at various locations around the City that discusses the importance of pet waste management. Signs have also been posted at various public recreation areas about picking up pet waste.

- Information will be posted on the City's website concerning the importance of pet waste management.

STATUS: Information has been posted on the City's website concerning the importance of pet waste management.

- Information will be posted on the City TV-20 bulletin board about the importance of pet waste management.

STATUS: Information has been posted on the City TV-20 bulletin board about the importance of pet waste management.

- A pet waste ordinance concerning pet waste pick-up on public property will be submitted to City Council for consideration.

STATUS: It is intended that a pet waste ordinance will be submitted to City Council for consideration by June 30, 2011.

BMP 1.4: Priority on reducing impacts to listed impaired waters and other local water pollution concerns

Existing: none

Responsibility for Implementation: Public Works

BMP Objective: Education of citizens concerning impaired waters in the City of Danville

Expected Results: Increased public knowledge of impaired waters in Danville

Implementation Schedule: Before June 30, 2009

Evaluation of Effectiveness: This BMP will be reviewed annually and revised as necessary.

Measurable Goals and Status of each Goal:

- A list of impaired waters in the City as defined by the Department of Environmental Quality (DEQ) will be listed on the City's website.

STATUS: The list a map of impaired waters in the City has been added to the City's website.

- Any other water pollution concerns will be also be listed on the City's website.

STATUS: Other water pollution concerns have been listed on the City's website.

- A reduction of impacts on these waters will be emphasized.

STATUS: The reduction of impacts on these waters is emphasized on the website.

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- b. Increased public employee, business, and general public knowledge of hazards associated with illegal discharges and improper disposal of waste, including pertinent legal implications.

BMP 1.5: Increased City employee knowledge concerning illegal discharges

Existing: none

Responsibility for Implementation: All departments

BMP Objective: Education of City employees concerning illegal discharges

Expected Results: Increased City employee knowledge of the hazards of illegal discharges

Implementation Schedule: Before June 30, 2010

Evaluation of Effectiveness: This BMP will be reviewed annually and revised as necessary.

Measurable Goals and Status of each Goal:

- Information will be distributed annually to City employees concerning hazards associated with illegal discharges and improper disposal of waste, including pertinent legal implications.

STATUS: It is intended that information will be distributed annually to City employees starting before June 30, 2010.

BMP 1.6: Increased businesses knowledge concerning illegal discharges

Existing: Fliers

Responsibility for Implementation: Public Works

BMP Objective: Education of certain businesses concerning illegal discharges

Expected Results: Increased business knowledge and modified behavior

Implementation Schedule: Before June 30, 2010

Evaluation of Effectiveness: This BMP will be reviewed annually and revised as necessary.

Measurable Goals and Status of each Goal:

- Information will be distributed annually to certain select businesses concerning hazards associated with illegal discharges and improper disposal of waste, including pertinent legal implications.

STATUS: It is intended that this goal will be met by the specified date.

- Information will be listed on the City's website concerning hazards associated with illegal discharges and improper disposal of waste.

STATUS: It is intended that this goal will be met by the specified date.

BMP 1.7: Increased general public knowledge concerning illegal discharges

Existing: none

Responsibility for Implementation: Public Works

BMP Objective: Education of citizens concerning illegal discharges

Expected Results: Increased public knowledge and modified behavior

Implementation Schedule: Before June 30, 2010

Evaluation of Effectiveness: This BMP will be reviewed annually and revised as necessary.

Measurable Goals and Status of each Goal:

- Information will be placed at various locations around the City concerning hazards associated with illegal discharges and improper disposal of waste, including pertinent legal implications. This information may also contain other stormwater pollution information.

STATUS: It is intended that this goal will be met by the specified date.

- Information will be posted on the City's website concerning hazards associated with illegal discharges and improper disposal of waste, including pertinent legal implications.

STATUS: It is intended that this goal will be met by the specified date.

- Information will be posted on the City-TV20 bulletin board concerning hazards associated with illegal discharges and improper disposal of waste, including pertinent legal implications.

STATUS: It is intended that this goal will be met by the specified date.

- c. Increased individual and group involvement in local water quality improvement initiatives including the promotion of local restoration and cleanup projects, programs, groups, meetings and other opportunities for public involvement.

BMP 1.8: Encourage and assist with stream clean ups

Existing: Parks and Recreation and The Danville Science Center sponsor a river cleanup day annually

Responsibility for Implementation: Parks and Recreation, The Danville Science Center and Public Works

BMP Objective: To promote public involvement in removal of trash from local waterways

Expected Results: More public interest in cleaning up local waterways, more public awareness about pollution

Implementation Schedule: Website and fliers (or other informational bulletins) – before June 30, 2009.

Evaluation of Effectiveness: Effectiveness will be based on interest and attendance

Measurable Goals and Status of each Goal:

- Local groups will be encouraged and assisted by the City to have waterway cleanup days each year.

STATUS: The City will continue to encourage and assist with stream cleanups.

- Stream clean ups will be promoted using fliers (or other informational bulletins), the City's website, and/or the City-TV20 bulletin board.

STATUS: The cleanup was promoted in the Parks and Recreation Spring Activities brochure.

- The date and location of any cleanup and number of participants and the amount of trash collected during each cleanup will be documented.

STATUS: A river cleanup was sponsored by Parks and Recreation on May 2 and there were 14 participants. The area cleaned was a one-mile stretch near The Crossing at Carrington Pavilion. There were approximately 15 large bags of trash collected.

- Danville Parks and Recreation will sponsor one waterway cleanup day each year.

STATUS: A river cleanup was sponsored by Parks and Recreation on May 2.

- d. Diverse strategies to target audiences specific to the area serviced by the regulated small MS4.

BMP 1.9: Target Audiences (Garden Clubs & Civic Groups)

Existing: City horticulturalist speaks at a local garden club or civic group meeting

Responsibility for Implementation: Public Works

BMP Objective: Educate specific audiences about stormwater pollution and proper lawn care practices

Expected Results: Greater understanding of the target audience of stormwater pollution

Implementation Schedule: Currently implemented

Evaluation of Effectiveness: Response to information presented

Measurable Goals and Status of each Goal:

- The City will have a designated speaker at a local garden club and/or local civic group meeting at least once annually to discuss stormwater pollution prevention and good lawn care practices. Informational handouts will also be offered at each engagement.

STATUS: The City Horticulturalist has spoken at more than ten (10) garden clubs and civic group meetings and included discussions of the effectiveness of rain gardens with regards to stormwater pollution.

- e. Improved outreach program to address viewpoints and concerns of target audiences with a recommended focus on minorities, disadvantaged audiences and minors.

BMP 1.10: Outreach to Neighborhood Organizations

Existing: None

Responsibility for Implementation: Public Works / Housing and Development

BMP Objective: Educate specific audience about stormwater pollution

Expected Results: Greater understanding by the target audience of stormwater pollution

Implementation Schedule: before June 30, 2010

Evaluation of Effectiveness: Response to information presented

Measurable Goals and Status of each Goal:

- The City will distribute stormwater pollution prevention information to the president or contact person for the nine local neighborhood organizations.

STATUS: It is intended that this goal will be met by the specified date.

BMP 1.11: Outreach to grade school students

Existing: none

Responsibility for Implementation: Public Works / Parks and Recreation

BMP Objective: Educate grade school students about stormwater pollution

Expected Results: Greater understanding of the target audience of stormwater pollution

Implementation Schedule: before June 30, 2010

Evaluation of Effectiveness: Response to information presented

Measurable Goals and Status of each Goal:

- The City will distribute stormwater pollution prevention information to participating grade schools.

STATUS: It is intended that this goal will be met by the specified date.

- All participating schools will be listed and the number of materials distributed will be tracked.

STATUS: It is intended that this goal will be met by the specified date.

BMP 1.12: Enviroscope demonstration for elementary school students

Existing: Enviroscope model

Responsibility for Implementation: Parks and Recreation

BMP Objective: Educate elementary school children about stormwater pollution and its effects on the environment

Expected Results: Greater understanding by elementary school children about stormwater pollution and its effects on the environment

Implementation Schedule: before June 30, 2009

Evaluation of Effectiveness: Response to information presented

Measurable Goals and Status of each Goal:

- The City will make efforts to contact local elementary schools about making presentations with the enviroscope model.

STATUS: The Danville Parks and Recreation Department annually contacts local schools about making Enviroscope presentations.

- Any presentations made will be documented.

STATUS: The Danville Parks and Recreation Department conducted 5 Enviroscope presentations to 130 school children.

- f. Targeted strategies towards local groups of commercial, industrial, and institutional entities likely to have significant stormwater impacts.

BMP 1.13: Targeted strategies towards local engineers and contractors

Existing: Periodic meetings with local engineers and contractors

Responsibility for Implementation: Public Works

BMP Objective: Educate local engineers and developers about changing stormwater regulations or requirements

Expected Results: Better stormwater management plans and better construction site control

Implementation Schedule: before June 30, 2010

Evaluation of Effectiveness: Response to information presented

Measurable Goals and Status of each Goal:

- The City will hold at least one information session every 24 months for local contractors and developers to discuss erosion and sediment control requirements and stormwater management requirements including the VSMP construction permit. The City will document the date of any meetings, attendance, and any suggestions that were made to the City during or as a result of the meeting.

STATUS: It is intended that this goal will be met by the specified date.

- The City will hold at least one information session every 24 months for local engineering firms to discuss any changes in the erosion and sediment control requirements and any changes to the stormwater management requirements including the VSMP construction permit. The City will document the date of any meetings, attendance, and any suggestions that were made to the City during or as a result of the meeting.

STATUS: It is intended that this goal will be met by the specified date.

BMP 1.14: Targeted strategies towards local lawn care providers

Existing: Form letter

Responsibility for Implementation: Public Works

BMP Objective: Educate local lawn care providers about how they can help reduce stormwater pollution

Expected Results: Less water quality impacts from commercial lawn care operations

Implementation Schedule: currently implemented

Evaluation of Effectiveness: Response to information presented

Measurable Goals and Status of each Goal:

- Information concerning stormwater pollution from fertilizers and yard waste will be distributed to all local listed lawn care service providers in the City at least once every 12 months.

****GOAL REVISED**** Information concerning stormwater pollution from fertilizers and yard waste will be distributed to all local listed lawn care service providers in the City every March beginning in March 2010.

STATUS: This information will be sent out each March beginning in March 2010.

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- Information will be posted on the City's website and the City-TV20 bulletin board.

STATUS: Information about lawn care practices have been posted on the City's Website and TV20.

Public Involvement/Participation

The operator shall comply with applicable state, tribal, and local public notice requirements and identify, schedule, implement, evaluate and modify, as necessary, BMPs to meet the following public involvement/participation measurable goals:

- a. Promote the availability of the operator's MS4 Program Plan and any modifications for public review and comment. Public notice shall be given by any method reasonably calculated to give actual notice of the action in question to the persons potentially affected by it, including press releases or any forum or medium to elicit public participation. Provide access to or copies of the MS4 Program Plan or any modifications upon request of interested parties in compliance with all applicable freedom of information regulations.

BMP 2.1: Promotion of availability of MS4 Program Plan

Existing: Access to the Program Plan is available under FOIA

Responsibility for Implementation: Public Works

BMP Objective: To provide public access to the MS4 Program Plan

Expected Results: More public knowledge, interest, and comments concerning the MS4 Program Plan

Implementation Schedule: before June 30, 2009

Evaluation of Effectiveness: Measured by interest expressed in the annual report

Measurable Goals and Status of each Goal:

- The City will promote the availability of the MS4 Program Plan and any modifications to the approved Plan or any ordinance modifications associated with the Plan for public review and comment using a press release.

STATUS: The availability of the Program Plan is advertised continuously on the TV20 bulletin board. Any ordinance modifications will be advertised for public comment.

- Copies of the MS4 Program Plan will be made available to any interested parties upon request. The contents of the MS4 Program Plan will also be made available on the City's website.

STATUS: The contents of the Program Plan are posted on the City's website.

- The City will document and consider all comments received from the public concerning the Program Plan.

STATUS: No comments have been received from the public.

- b. Provide access to or copies of the annual report upon request of interested parties in compliance with all applicable freedom of information regulations.

BMP 2.2: Access to annual report

Existing: Access to the annual reports are available under FOIA

Responsibility for Implementation: Public Works

BMP Objective: To provide public access to the annual report

Expected Results: More public knowledge, interest, and comments concerning the MS4 annual reports

Implementation Schedule: before October 1, 2009

Evaluation of Effectiveness: Measured by interest expressed in the annual report

Measurable Goals and Status of each Goal:

- Copies of each annual report will be made available to any interested parties upon request beginning with the report due in October of 2009. Each annual report will also be made available on the City's website once the annual report is completed.

STATUS: This annual report is posted on the City's website.

- The City will document and consider all comments received from the public concerning the annual reports.

STATUS: Any comments received concerning this annual report will be documented and considered.

- c. Participate, through promotion, sponsorship, or other involvement, in local activities aimed at increasing public participation to reduce stormwater pollutant loads and improve water quality.

BMP 2.3: Creeks, streams, and river cleanups

Existing: Parks and Recreation sponsors a river cleanup day annually

Responsibility for Implementation: Parks and Recreation

BMP Objective: To promote public involvement in removal of trash from local waterways

Expected Results: More public interest in cleaning up local waterways, more public awareness about pollution

Implementation Schedule: Website and fliers (or other informational bulletins) – before June 30, 2009.

Evaluation of Effectiveness: Effectiveness of the campaign will be based on interest and attendance.

Measurable Goals and Status of each Goal:

- Local groups will be encouraged and assisted by the City to have waterway cleanup days each year.

STATUS: The City will continue to encourage and assist with stream cleanups.

- Stream clean ups will be promoted using fliers (or other informational bulletins), the City's website, and/or the City-TV20 bulletin board.

STATUS: The cleanup was promoted in the Parks and Recreation Spring Activities brochure.

- The date and location of any cleanup and number of participants and the amount of trash collected during each cleanup will be documented.

STATUS: A river cleanup was sponsored by Parks and Recreation on May 2 and there were 14 participants. The area cleaned was a one-mile stretch near The Crossing at Carrington Pavilion. There were approximately 15 large bags of trash collected.

- Parks and Recreation will sponsor one waterway cleanup day each year.

STATUS: A river cleanup was sponsored by Parks and Recreation on May 2.

BMP 2.4: Citizen reporting

Existing: none

Responsibility for Implementation: Public Works

BMP Objective: Specify how citizens can contact the City with stormwater pollution concerns

Expected Results: More organized public reporting about stormwater pollution concerns or complaints

Implementation Schedule: before June 30, 2010

Evaluation of Effectiveness: Effectiveness will be based on number of calls and emails received during the first 18 months of implementation

Measurable Goals and Status of each Goal:

- The City will establish a publicized phone number for the purpose of reporting illicit discharges or other stormwater concerns from citizens.

STATUS: This goal has been met. Citizens are directed to call 434-799-5245 to report concerns. This number is posted on the City's illicit discharge web page.

- The City will establish an email address for the purpose of reporting illicit discharges or other stormwater pollution concerns from citizens.

STATUS: This goal has been met. Citizens are directed to email pubworks@ci.danville.va.us to report concerns. This email address is posted on the City's illicit discharge web page.

Illicit Discharge Detection and Elimination

The MS4 Program shall:

- a. Develop, implement and enforce a program to detect and eliminate illicit discharges, as defined at 4VAC50-60-10, into the regulated small MS4. The department recommends that the operator review the publication entitled "Illicit Discharge Detection and Elimination: A Guidance Manual for Program Development and Technical Assessments," EPA cooperative number X-82907801-0, for guidance in implementing and evaluating its illicit discharge detection and elimination program.

BMP 3.1: Illicit Discharge Detection and Elimination (IDDE) program administration

Existing: none

Responsibility for Implementation: Public Works

BMP Objective: To provide foundation, guidance and direction for an IDDE Program

Expected Results: Foundation, guidance and direction for the IDDE Program

Implementation Schedule: before June 30, 2010

Evaluation of Effectiveness: The effectiveness of the program administration will be evaluated annually once established

Measurable Goals and Status of each Goal:

- An audit of existing capabilities and needs will be performed.

STATUS: It is intended that this goal will be met by the specified date.

- One program head and key support staff will be identified.

STATUS: It is intended that this goal will be met by the specified date.

- The illicit discharge ordinance will be reviewed annually and modified as necessary.

STATUS: This ordinance is reviewed annually.

- A tracking and reporting system will be established.

STATUS: It is intended that this goal will be met by the specified date.

BMP 3.2: Outfall assessment

Existing: Storm sewer maintenance crews

Responsibility for Implementation: Public Works

BMP Objective: To assess outfalls to determine if an illicit discharge has occurred or is occurring

Expected Results: Location of apparent illicit discharges

Implementation Schedule: Before January 9, 2013

Evaluation of Effectiveness: TBD

Measurable Goals and Status of each Goal:

- Drainage area will be defined and categorized.

STATUS: It is intended that this goal will be met by the specified date.

- All major outfalls will be examined.

STATUS: It is intended that this goal will be met by the specified date.

- Outfalls that have had apparent illicit discharges will be traced.

STATUS: It is intended that this goal will be met by the specified date.

- Outfall condition will be documented.

STATUS: It is intended that this goal will be met by the specified date.

BMP 3.3: Preventing illicit discharges

Existing: flier

Responsibility for Implementation: Public Works

BMP Objective: To prevent known illicit discharges by citizens or businesses

Expected Results: Greater awareness of illicit discharges

Implementation Schedule: before June 30, 2009

Evaluation of Effectiveness: Illicit discharge incidents over the next 5 years

Measurable Goals and Status of each Goal:

- Information will be placed at various locations around the City concerning illicit discharges.

STATUS: Information is available at various locations concerning illicit discharges.

- Illicit discharge information will be posted on the City's website and the City TV20 bulletin board.

STATUS: Illicit discharge information has been posted on the City's website and on TV20.

BMP 3.4: Finding and fixing illicit discharges

Existing: Storm sewer maintenance crews

Responsibility for Implementation: Public Works

BMP Objective: Locate and correct apparent illicit discharges

Expected Results: Eradication of apparent illicit discharges

Implementation Schedule: currently implemented

Evaluation of Effectiveness: TBD

Measurable Goals and Status of each Goal:

- All obvious illicit discharges will be removed.

STATUS: All obvious illicit discharges are removed upon discovery.

- Staff will be trained on techniques to find the source of illicit discharges.

STATUS: Storm sewer maintenance crews are taught to recognize illicit discharges and to locate the source.

- Correct illicit discharges identified through field screenings or citizen complaints.

STATUS: Illicit discharges that are identified through citizen complaints are corrected.

- b. Develop, if not already completed, and maintain, an updated storm sewer system map, showing the location of all known outfalls of the regulated small MS4 including those physically interconnected to a regulated MS4, the associated surface waters and HUCs, and the names and locations of all impaired surface waters that receive discharges from those outfalls. The operator shall also estimate the acreage within the regulated small MS4 discharging to each HUC and impaired water.

BMP 3.5: Storm sewer mapping

Existing: Storm sewer mapping in progress

Responsibility for Implementation: Public Works

BMP Objective: To be able to locate and easily identify all storm sewer system lines and structures in the right-of-way

Expected Results: Quick location of storm sewer pipes and structures in case of emergency or illicit discharges

Implementation Schedule: currently being developed

Evaluation of Effectiveness: Accuracy of mapping

Measurable Goals and Status of each Goal:

- The storm sewer system mapping is in progress and is approximately 60% complete.

STATUS: The storm sewer mapping continues to make progress. Dewberry has been hired to assist the City with locating the storm sewer systems. A map of the completed areas is included in the Appendix.

BMP 3.6: Sanitary sewer mapping

Existing: Sanitary sewer map

Responsibility for Implementation: Public Works

BMP Objective: To be able to locate and easily identify all sanitary sewer system lines and manholes

Expected Results: Quick location of manholes and sewer lines in case of emergency

Implementation Schedule: currently implemented

Evaluation of Effectiveness: Accuracy of mapping

Measurable Goals and Status of each Goal:

- The sanitary sewer system has been inventoried and mapped. The system includes over 8,700 sanitary sewer manholes and over 9,500 sanitary sewer lines. This map is updated as new lines or manholes are installed.

STATUS: This map is continuously updated as new lines are installed or if additional features are discovered. A map of the system is included in the Appendix.

- c. To the extent allowable under state, tribal or local law or other regulatory mechanism, effectively prohibit, through ordinance, or other regulatory mechanism, non-stormwater discharges into the storm sewer system and implement appropriate enforcement procedures and actions. The following categories of non-stormwater discharges or flows (i.e. illicit discharges) must be addressed only if they are identified by the operator, the State Water Control Board, or by the board as significant contributors of pollutants to the regulated small MS4: water line flushing, landscape irrigation, diverted stream flows, rising ground waters, uncontaminated ground water infiltration, uncontaminated pumped groundwater, discharges from potable water sources, foundation drains, air conditioning condensation, irrigation water, springs, water from crawl space pumps, footing drains, lawn watering, individual residential car washing, flows from riparian habitats and wetlands, dechlorinated swimming pool discharges, street wash water, discharges or flows from fire fighting activities, and flows that have been identified in writing by the Department of Environmental Quality as de minimis discharges that are not significant sources of pollutants to state waters and not requiring a VPDES permit.

BMP 3.7: Urban Stormwater Quality Management and Discharge Control Ordinance

Existing: Ordinance (Chapter 9 /Article 5 / Division 7)

Responsibility for Implementation: Public Works

BMP Objective: To prohibit illicit discharges and provide enforcement procedures for violations

Expected Results: Legal framework to prohibit illicit discharges

Implementation Schedule: currently implemented

Evaluation of Effectiveness: The ordinance will be reviewed annually and updated as necessary.

Measurable Goals and Status of each Goal:

- This ordinance prohibits non-stormwater discharges into the storm sewer system. This ordinance also outlines actions that the City can take to correct a non-stormwater discharge as well as penalties that could be imposed.

STATUS: This ordinance continues to remain in effect.

- d. Develop and implement procedures to detect and address non-stormwater discharges, including illegal dumping, to the small-regulated MS4.

BMP 3.8: Commercial car washes

Existing: Flier, ordinance (Section 9-179.24)

Responsibility for Implementation: Public Works

BMP Objective: To prohibit illicit discharges from commercial car washes

Expected Results: Elimination of commercial car wash illicit discharges

Implementation Schedule: currently implemented

Evaluation of Effectiveness: Elimination of illicit discharges from commercial car washes

Measurable Goals and Status of each Goal:

- All listed commercial car washes in the City of Danville will be inspected to determine their method of discharge.

STATUS: Most car washes in the City have been inspected. Two car washes were closed because of improper discharge.

- Any car wash not discharging wash waters properly (discharging directly to surface waters without a VPDES Permit) will be notified about the violation and given a reasonable time to correct before enforcement actions begin.

STATUS: This policy continues to remain in effect.

- All inspections and violations will be documented.

STATUS: All inspections and violations have been documented.

- Any potential new car washes must get zoning approval, which includes an evaluation of the method of wastewater discharge.

STATUS: This policy continues to remain in effect.

BMP 3.9: Illegal dumping / accumulated waste ordinance

Existing: Ordinance (Chapter 17), two code enforcement inspectors

Responsibility for Implementation: Public Works

BMP Objective: To prohibit illicit discharges and provide enforcement procedures for violations

Expected Results: Reduction of accumulated waste and illegal dumping

Implementation Schedule: currently implemented

Evaluation of Effectiveness: This ordinance will be reviewed annually and updated as necessary

Measurable Goals and Status of each Goal:

- Any illegal dumps that are discovered are removed. All illegal dump cases will be documented. Two code inspectors enforce this ordinance.

STATUS: Illegal dumps are now treated as accumulated waste cases and are tracked accordingly.

- Signs are placed in areas susceptible to illegal dumping.

STATUS: Signs continue to be maintained in areas susceptible to illegal dumping.

- All accumulated waste cases will be documented.

STATUS: There were 304 accumulated waste cases documented during this reporting period.

BMP 3.10: Septic system not allowed in lieu of sanitary connection

Existing: Ordinance (Section 34-7)

Responsibility for Implementation: Community Development (Inspections)

BMP Objective: To prohibit use of new septic where sanitary sewer is available

Expected Results: less infiltration of wastewater from septic systems into the environment

Implementation Schedule: currently implemented

Evaluation of Effectiveness: This BMP is effective in not allowing new septic systems

Measurable Goals and Status of each Goal:

- The City code does not allow the repair of existing septic systems or the installation of new septic systems in areas that are served by the sanitary sewer system or where sanitary sewer is within 300 ft of the property line.

STATUS: There were 10 sanitary sewer connections made for properties that were previously served by a septic tank.

- Any new septic systems that are allowed to be installed or any septic systems that are repaired must be inspected by the Pittsylvania County Department of Health.

STATUS: The Pittsylvania County Department of Health continues to make inspection of new septic tank systems and repairs to existing septic tanks in the City.

BMP 3.11: Reduce potential for sanitary sewer overflows

Existing: Policy, ordinance, sanitary sewer maintenance crews, flushers, cameras, other equipment

Responsibility for Implementation: Public Works

BMP Objective: To reduce the risk of sanitary sewer overflows

Expected Results: Reduced potential of sanitary sewer overflows

Implementation Schedule: currently implemented

Evaluation of Effectiveness: Number of overflows each year

Measurable Goals and Status of each Goal:

- The City of Danville maintains over 330 miles of sanitary sewer lines. All sanitary sewers are routinely flushed and checked to make sure they are flowing freely at least once every two years.

STATUS: The City continues to perform maintenance on all sanitary sewer lines by flushing, smoke tests, and televising.

- Sanitary sewer lining and reconstruction projects are done each year.

STATUS:

- Lockdown waterproof tops are now required on all new sanitary sewer manholes. ****GOAL REVISED**** Lockdown waterproof tops are now required on all new sanitary sewer manholes on an outfall.

STATUS: Lockdown tops are required on all sanitary manholes on an outfall.

- The City Ordinance prohibits stormwater connections to the sanitary sewer system unless the Control Authority grants permission in writing.

STATUS: This ordinance continues to remain in effect.

- All sanitary sewer overflows are documented and reported to the Department of Environmental Quality. The cause if the overflow is determined and recorded.

STATUS: There were 8 sanitary sewer overflows during this reporting period. The overflows were documented and reported to DEQ. It was realized at the time of this report that, in accordance with the VSMP MS4 Permit, the Department of Conservation and Recreation is also supposed to be notified. The City of Danville will obtain the proper contact information for DCR and will begin reporting overflows to both DEQ and DCR.

BMP 3.12: Inoperative Vehicles

Existing: Ordinance (Chapter 21)

Responsibility for Implementation: Public Works

BMP Objective: To prohibit illicit discharges from inoperative vehicles

Expected Results: Fewer inoperative vehicles exposed to the environment

Implementation Schedule: currently implemented

Evaluation of Effectiveness: This ordinance will be reviewed annually and updated as necessary

Measurable Goals and Status of each Goal:

- Any inoperative vehicle that is not meeting the requirements of the aforementioned code chapter shall be impounded.

STATUS: There were 592 inoperative vehicle cases resolved during this reporting period.

- e. Prevent or minimize to the maximum extent practicable, the discharge of hazardous substances or oil in the stormwater discharge(s) from the regulated small MS4. In addition, the MS4 Program must be reviewed to identify measures to prevent the recurrence of such releases and to respond to such releases, and the program must be modified where appropriate. This permit does not relieve the operator or the responsible part(ies) of any reporting requirements of 40 CFR Part 110 (2001), 40 CFR Part 117 (2001) and 40 CFR Part 302 (2001) or §62.1-44.34:19 of the Code of Virginia.

BMP 3.13: Hazardous Materials Response Team

Existing: Hazardous Materials Response Team

Responsibility for Implementation: Fire Department

BMP Objective: To control hazardous discharges in an offensive manner

Expected Results: The control of hazardous discharges

Implementation Schedule: currently implemented

Evaluation of Effectiveness: The Haz-Mat Team is very effective in control hazardous discharges

Measurable Goals and Status of each Goal:

- The Hazardous Materials Response Team is trained and equipped to work in hazardous environments in an offensive manner to stop the flow of hazardous materials.

STATUS: The Hazardous Materials Response Team continues to train and is ready to respond in the event of a spill.

- The Department of Environmental Quality is notified when the Haz-Mat team responds to the discharge of hazardous substances.

STATUS: The Hazardous Materials Response Team will continue to notify DEQ in the event of a spill.

- All incidents that the Haz-Mat team responds to are documented.

STATUS: The Hazardous Materials Response Team documents all incidents that require their response.

- f. Track the number of illicit discharges identified, provide narrative on how they were controlled or eliminated, and submit the information in accordance with Section II E 3.

BMP 3.14: Establish a tracking and reporting system for illicit discharges

Existing: none

Responsibility for Implementation: Public Works

BMP Objective: To better organize reported or discovered illicit discharges

Expected Results: Better organization of reported or discovered illicit discharges

Implementation Schedule: Before June 30, 2010

Evaluation of Effectiveness: TBD

Measurable Goals and Status of each Goal:

- A tracking and reporting system will be established. Information will be submitted in accordance with Section II E 3.

STATUS: It is intended that this goal will be met by the specified date.

- g. Notify, in writing, any downstream-regulated MS4 to which the small regulated MS4 is physically interconnected of the small-regulated MS4's connection to that system.

BMP 3.15: Notification of downstream-regulated MS4

Existing: none

Responsibility for Implementation: Public Works

BMP Objective: To notify any downstream MS4

Expected Results: Notification of downstream MS4

Implementation Schedule: before June 30, 2009

Evaluation of Effectiveness: n/a

Measurable Goals and Status of each Goal:

- Danville Community College, which is a regulated small MS4 that receives discharge from the Danville MS4, will be notified in writing.

STATUS: Danville Community College was notified in writing that they receive discharge from the City's MS4. A copy of the letter is included in the Appendix.

- The Virginia Department of Transportation, which is a regulated MS4 that receives discharge from the Danville MS4, will be notified in writing.

STATUS: VDOT was notified in writing that they receive discharge from the City's MS4. A copy of the letter is included in the Appendix.

Construction Site Stormwater Runoff Control

- a. The operator shall develop, implement, and enforce procedures to reduce pollutants in any stormwater runoff to the regulated small MS4 from construction activities that result in a land disturbance of greater than or equal to one acre. Additionally, reduction of storm water discharges from construction activity disturbing less than one acre must be included in the program if that construction activity is part of a larger common plan of development or sale that would disturb one acre or more.

The procedures must include the development and implementation of, at a minimum:

- (1) An ordinance or other regulatory mechanism to require erosion and sediment controls, as well as sanctions to ensure compliance with the Erosion and Sediment Control Law and attendant regulations, to the extent allowable under state, tribal, or local law. Such ordinances shall be updated as necessary.

BMP 4.1: Erosion and Sediment Control Ordinance (compliance)

Existing: Erosion and Sediment Control Ordinance

Responsibility for Implementation: Public Works

BMP Objective: Establish requirements for erosion and sediment controls and establish penalties for non-compliance

Expected Results: Compliance with ESC requirements

Implementation Schedule: Currently implemented

Evaluation of Effectiveness: The ordinance will be evaluated annually and updated as necessary

Measurable Goals and Status of each Goal:

- Danville's Erosion and Sediment Control ordinance requires that erosion and sediment controls be implemented for applicable projects greater than 5,000 sf of disturbance.

STATUS: This ordinance remains in effect as stated.

- This ordinance has sanctions to ensure compliance.

STATUS: Sanctions continue to be included in the ordinance.

- (2) Requirements for construction site owners and operators to implement appropriate erosion and sediment control best management practices as part of an erosion and sediment control plan that is consistent with the Erosion and Sediment Control Law and attendant regulations and other applicable requirements of state, tribal, or local law. Where determined appropriate by the operator, the operator shall encourage the use of

structural and nonstructural design techniques to create a design that has the goal of maintaining or replicating predevelopment runoff characteristics and site hydrology.

BMP 4.2: Erosion and Sediment Control Ordinance (implementation of ESC BMPs)

Existing: Erosion and Sediment Control Ordinance

Responsibility for Implementation: Public Works

BMP Objective: Establish requirements for erosion and sediment controls and establish penalties for non-compliance

Expected Results: Compliance with ESC requirements

Implementation Schedule: Currently implemented

Evaluation of Effectiveness: The ordinance will be evaluated annually and updated as necessary

Measurable Goals and Status of each Goal:

- The Erosion and Sediment Control Ordinance requires implementation of appropriate erosion and sediment control best management practices as part of an erosion and sediment control plan that is consistent with the Erosion and Sediment Control Law and attendant regulations and other applicable requirements of state, tribal, or local law.

STATUS: This ordinance remains in effect as stated.

BMP 4.3: Encouraging designs that replicate predevelopment runoff characteristics and site hydrology

Existing: none

Responsibility for Implementation: Public Works

BMP Objective: Encouragement of Low Impact Development

Expected Results: Consideration of Low Impact Development

Implementation Schedule: before June 30, 2010

Evaluation of Effectiveness: Annual evaluation to determine if LID is being considered or utilized consistently

Measurable Goals and Status of each Goal:

- The City will encourage the use of structural and nonstructural design techniques to create a design that has the goal of maintaining or replicating

predevelopment runoff characteristics and site hydrology via literature and a stormwater webpage.

STATUS: It is intended that this goal will be met by the specified date.

- (3) Requirements for construction site owners and operators to secure authorization to discharge stormwater from construction activities under a VSMP permit for construction activities that result in a land disturbance greater than or equal to one acre. Additionally, stormwater discharges from construction activity disturbing less than one acre must secure authorization to discharge under a VSMP permit if that construction activity is part of a larger common plan of development or sale that would disturb one acre or more.

BMP 4.4: Requirement to secure VSMP prior to issuance of the Land Disturbance Permit

Existing: Erosion and Sediment Control Ordinance (VSMP requirement)

Responsibility for Implementation: Public Works

BMP Objective: Ensure that the VSMP permit is obtained for applicable projects

Expected Results: Compliance with VSMP requirements

Implementation Schedule: Currently implemented

Evaluation of Effectiveness: n/a

Measurable Goals and Status of each Goal:

- The City of Danville's Erosion and Sediment Control ordinance requires that the VSMP permit be obtained for applicable projects as a prerequisite to the issuance of the Land Disturbance Permit.

STATUS: This ordinance remains in effect.

- (4) Procedures for receipt and consideration of information submitted by the public.

BMP 4.5: Procedural Flow Chart (construction)

Existing: Flow Chart

Responsibility for Implementation: Public Works

BMP Objective: To establish procedures to consider information submitted by the public concerning land-disturbing projects.

Expected Results: Consistent evaluation of submitted information

Implementation Schedule: before June 30, 2009

Evaluation of Effectiveness: Annual review of this BMP to determine if information is being considered consistently

Measurable Goals and Status of each Goal:

- The flow chart in the appendix shows the procedures for receipt and consideration of information submitted by the public concerning land disturbing projects.

STATUS: The flow chart remains accurate.

(5) Procedures for site inspection and enforcement of control measures.

- (a) The operator shall ensure that plan reviewers, inspectors, program administrators, and construction site owners and operators obtain the appropriate certifications as required under the Erosion and Sediment Control Law.

BMP 4.6: Certified plan reviewers, inspectors and program administrators

Existing: Certification for plan reviewers, inspectors, and program administrators

Responsibility for Implementation: Public Works

BMP Objective: Certifications for personnel as required under Erosion and Sediment Control Law

Expected Results: Compliance for certifications

Implementation Schedule: Currently implemented

Evaluation of Effectiveness: n/a

Measurable Goals and Status of each Goal:

- All plan reviewers, inspectors and program administrators for the City of Danville must be certified by the Department of Conservation and Recreation as required by the Erosion and Sediment Control Law.

STATUS: All required personnel continue to be certified.

- A list of all certified personnel is included in the Appendix.

STATUS: The personnel listed remains unchanged.

BMP 4.7: Responsible Land Disturber (RLD) required

Existing: Erosion and Sediment Control Ordinance

Responsibility for Implementation: Public Works

BMP Objective: To make sure all applicable regulated land disturbing activities have an RLD listed

Expected Results: Compliance with the ESC regulations

Implementation Schedule: Currently implemented

Evaluation of Effectiveness: n/a

Measurable Goals and Status of each Goal:

- All applicable projects are required to have a certified Responsible Land Disturber associated with the project as required under the Erosion and Sediment Control Law.

STATUS: Responsible Land Disturber information is submitted to the City before a Land Disturbance Permit is issued.

- (b) The operator shall track regulated land-disturbing activities and submit the following information in accordance with Section II E 3: total number of regulated land disturbing activities and total disturbed acreage.

BMP 4.8: Land Disturbance Permit information

Existing: Erosion and Sediment Control Log

Responsibility for Implementation: Public Works

BMP Objective: To track information related to regulated land disturbing activities

Expected Results: Organization of Land Disturbance Permit information

Implementation Schedule: Currently implemented

Evaluation of Effectiveness: n/a

Measurable Goals and Status of each Goal:

- All Land Disturbance permits issued will be tracked monthly.

STATUS: All Land Disturbance Permit information is documented and sent to the DCR office in Clarksville each month.

- The disturbed area for each permit will be tracked.

STATUS: The disturbed area is listed on each Land Disturbance Permit.

- Information will be submitted with each annual report.

STATUS: Land Disturbance information for this reporting period is included in this annual report.

BMP 4.9: Alternative Inspection Program (AIP)

Existing: DCR approved AIP

Responsibility for Implementation: Public Works

BMP Objective: To place emphasis on Land Disturbing projects that are larger or more complex

Expected Results: Better use of resources for inspecting permitted land-disturbing projects

Implementation Schedule: Currently implemented

Evaluation of Effectiveness: Annual evaluation to determine if project with less inspections are having more incidents of violation

Measurable Goals and Status of each Goal:

- The City will continue to implement the DCR approved AIP.

STATUS: The DCR approved AIP remains in effect.

Post-Construction Stormwater Management in New Development/Redevelopment

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- a. The operator shall develop, implement, and enforce procedures to address stormwater runoff to the regulated small MS4 from new development and redevelopment projects that disturb greater than or equal to one acre including projects less than one acre that are part of a larger common plan of development or sale, that discharge into the regulated small MS4. The procedures must ensure that controls are in place that would prevent or minimize water quality and quantity impacts in accordance with this section.

BMP 5.1: Required compliance with the VSMP permit

Existing: Urban Stormwater Quality Discharge Control Ordinance

Responsibility for Implementation: Public Works

BMP Objective: To require appropriate post-construction stormwater BMPs

Expected Results: Reduced post-construction water quality impacts for applicable projects

Implementation Schedule: currently implemented

Evaluation of Effectiveness: n/a

Measurable Goals and Status of each Goal:

- The City requires compliance with the water quality and water quantity portion of the VSMP permit for applicable projects.

STATUS: This requirement remains in effect as stated.

- Applicable projects are not approved until water quality requirements are met.

STATUS: Designers are notified if the project does not meet water quality requirements and plans are rejected.

- b. The operator shall:

- (1) Develop and implement strategies which include a combination of structural and/or non-structural best management practices (BMPs) appropriate for the operator's community. Where determined appropriate by the operator, the operator shall encourage the use of structural and nonstructural design techniques to create a design that has the goal of maintaining or replicating predevelopment runoff characteristics and site hydrology.

BMP 5.2: Strategies for post-construction stormwater BMPs

Existing: none

Responsibility for Implementation: Public Works

BMP Objective: To encourage owners and developers to consider alternative designs for post construction BMPs

Expected Results: Greater awareness by owners and developers concerning structural and non-structural post construction BMPs

Implementation Schedule: before June 30, 2011

Evaluation of Effectiveness: TBD

Measurable Goals and Status of each Goal:

- The City will encourage the use of structural and nonstructural BMPs appropriate for Danville via literature and the City's website.

STATUS: It is intended that this goal will be met by the specified date.

BMP 5.3: Encouraging designs that replicate predevelopment runoff characteristics and site hydrology

Existing: none

Responsibility for Implementation: Public Works

BMP Objective: Encouragement of Low Impact Development

Expected Results: Consideration of Low Impact Development

Implementation Schedule: before June 30, 2011

Evaluation of Effectiveness: Annual evaluation to determine if LID is being considered or utilized consistently

Measurable Goals and Status of each Goal:

- The City will encourage the use of structural and nonstructural design techniques to create a design that has the goal of maintaining or replicating predevelopment runoff characteristics and site hydrology via literature and a stormwater web page.

STATUS: It is intended that this goal will be met by the specified date.

- (2) Use an ordinance, regulation, or other mechanism to address post-construction runoff from new development and redevelopment projects to ensure compliance with the Virginia Stormwater Management Act (§10.1-603.1 et seq. of the Code of Virginia) and attendant regulations, and to the extent allowable under state, tribal, or local law. Such ordinances and other mechanisms shall be updated as necessary.

BMP 5.4: Urban Stormwater Quality Discharge Control Ordinance

Existing: Urban Stormwater Quality Discharge Control Ordinance

Responsibility for Implementation: Public Works

BMP Objective: Reduction of post construction stormwater pollutants

Expected Results: Reduction of post construction stormwater pollutants

Implementation Schedule: Currently implemented

Evaluation of Effectiveness: The ordinance will be reviewed annually and updated as necessary

Measurable Goals and Status of each Goal:

- The Urban Stormwater Quality Discharge Control Ordinance requires the control and reduction of stormwater pollutants for new development and redevelopment projects. The ordinance also requires compliance with the construction NPDES permit. (§9-179.27, §9-179.28)

STATUS: This ordinance continues to be in effect as stated.

- This ordinance will be reviewed annually and updated as necessary.

STATUS: The ordinance is reviewed annually.

- (3) Require construction site owners and operators to secure authorization to discharge stormwater from construction activities under a VSMP permit for new development and redevelopment projects that result in a land disturbance greater than or equal to one acre. Additionally, stormwater discharges from construction activity disturbing less than one acre must secure authorization to discharge under a VSMP permit if that construction activity is part of a larger common plan of development or sale that would disturb one acre or more.

BMP 5.5: Requirement to secure VSMP Construction Permit prior to issuance of the Land Disturbance Permit

Existing: Erosion and Sediment Control Ordinance (VSMP requirement)

Responsibility for Implementation: Public Works

BMP Objective: Ensure that the VSMP permit is obtained for applicable projects

Expected Results: Compliance with VSMP requirements

Implementation Schedule: Currently implemented

Evaluation of Effectiveness: n/a

Measurable Goals and Status of each Goal:

- The City of Danville's Erosion and Sediment Control Ordinance requires that a copy of the registration statement for the VPDES construction permit be submitted to the City for applicable projects as a prerequisite to the issuance of the Land Disturbance Permit. (§13-26)

STATUS: This ordinance continues to be in effect as stated.

- (4) Require adequate long-term operation and maintenance by the owner of structural stormwater management facilities through requiring the owner to develop a recorded inspection schedule and maintenance agreement to the extent allowable under state, tribal or local law or other legal mechanism. The operator shall additionally develop, through the maintenance agreement or other method, a mechanism for enforcement of maintenance responsibilities by the operator if they are neglected by the owner.

BMP 5.6: Permanent post construction BMP Maintenance Agreement

Existing: BMP Maintenance Agreement

Responsibility for Implementation: Public Works

BMP Objective: Require owners to commit to maintaining post construction stormwater BMPs

Expected Results: Regular maintenance of post construction stormwater BMPs

Implementation Schedule: Currently implemented

Evaluation of Effectiveness: The maintenance agreement will be evaluated annually and updated as necessary

Measurable Goals and Status of each Goal:

- The City requires that a maintenance agreement be executed for all permanent post-construction BMPs prior to plan approval.

STATUS: The City continues to require the execution of a Stormwater Facility Maintenance Agreement before a plan is approved.

BMP 5.7: Draft new regulations requiring inspection schedule from owners

Existing: Maintenance agreement

Responsibility for Implementation: Public Works

BMP Objective: Better maintenance of post construction BMPs

Expected Results: Better maintenance of post construction BMPs

Implementation Schedule: before June 30, 2011

Evaluation of Effectiveness: TBD

Measurable Goals and Status of each Goal:

- New regulations will be drafted to require owners to develop a recorded inspection schedule for all proposed permanent post construction stormwater BMPs.

STATUS: It is intended that this goal will be met by the specified date.

BMP 5.8: Draft new ordinance or modify existing maintenance agreement for enforcement of maintenance responsibilities by the owner

Existing: Maintenance agreement

Responsibility for Implementation: Public Works

BMP Objective: To provide enforcement mechanism for owners of post construction BMPs that are not being maintained

Expected Results: Better maintenance of post construction BMPs

Implementation Schedule: before June 30, 2011

Evaluation of Effectiveness: TBD

Measurable Goals and Status of each Goal:

- An ordinance will be drafted and/or the existing maintenance agreement modified to insert a mechanism for enforcement of maintenance responsibilities by the owner if the BMP fails to be maintained as required.

STATUS: It is intended that this goal will be met by the specified date.

- (5) Conduct site inspection and enforcement measures consistent with the Virginia Stormwater Management Act and attendant regulations.

BMP 5.9: Draft new ordinance for site inspection and enforcement measures for post-construction stormwater BMPs

Existing: Maintenance agreement

Responsibility for Implementation: Public Works

BMP Objective: To provide enforcement mechanism for owners of post construction BMPs that are not being maintained

Expected Results: Better maintenance of post construction BMPs

Implementation Schedule: before June 30, 2011

Evaluation of Effectiveness: TBD

Measurable Goals and Status of each Goal:

- An ordinance will be drafted to address site inspection and enforcement measures for post-construction stormwater BMPs. The ordinance will be consistent with the Virginia Stormwater Management Act, 4VAC50-60-150 of the VSMP Permit Regulations, and other attendant regulations.

STATUS: It is intended that this goal will be met by the specified date.

- (6) Track all known permanent stormwater management facilities that discharge to the regulated small MS4 and submit the following information in accordance with Section II E 3:

- (a) Type of structural stormwater management facility installed as defined in the Virginia Stormwater Management Handbook.
- (b) Geographic location (HUC).
- (c) Where applicable, the impaired surface water that the stormwater management facility is discharging into.
- (d) Number of acres treated.

BMP 5.10: Tracking of all known permanent stormwater management facilities

Existing: GIS Stormwater BMP layer

Responsibility for Implementation: Public Works

BMP Objective: Better organization of information concerning post construction stormwater BMPs located in the City of Danville

Expected Results: Better organization of information concerning post construction stormwater BMPs located in the City of Danville

Implementation Schedule: before June 30, 2010

Evaluation of Effectiveness: TBD

Measurable Goals and Status of each Goal:

- All known permanent stormwater management facilities within the City will be tracked. For each facility, the following information will be documented: type of structural stormwater management facility, geographic location (HUC), the impaired surface water that the stormwater management facility is discharging into (if applicable), and the number of acres treated.

STATUS: This goal has been met and the information is included with this annual report on a CD.

Pollution Prevention/Good Housekeeping for Municipal Operations

Develop and implement an operation and maintenance program consistent with the MS4 Program Plan that includes a training component and has the ultimate goal of preventing or reducing pollutant runoff from municipal operations. Using training materials including those available from EPA, state, tribe, or other organizations, the program shall include employee training to prevent and reduce stormwater pollution from activities such as park and open space maintenance, fleet and building maintenance, new construction and land disturbances, and MS4 maintenance. The operator is encouraged to review the EPA's National Menu of Stormwater Best Management Practices for ideas and strategies to incorporate into its program. The menu can be accessed at <http://cfpub.epa.gov/npdes/stormwater/menuofbmps/index.cfm>.

The operator shall identify, schedule, implement, evaluate and modify, as necessary, BMPs to meet the following pollution prevention/good housekeeping for municipal operations measurable goals:

- a. Operation and maintenance programs including activities, schedules, and inspection procedures shall include provisions and controls to reduce pollutant discharges into the regulated small MS4 and receiving surface waters.

BMP 6.1: Operation and maintenance procedures for municipal facilities, operations, and activities for stormwater pollution prevention

Existing: none

Responsibility for Implementation: Each listed department

BMP Objective: To provide a comprehensive operation and maintenance for each listed Department for the facilities and certain operations

Expected Results: Organized procedures for each department to minimize or prevent stormwater pollution

Implementation Schedule: before June 30, 2010

Evaluation of Effectiveness: Inspections

Measurable Goals and Status of each Goal:

- Operation and maintenance procedures to address stormwater pollution will be developed for each of the following departments for the facilities or operations that they manage.
 1. Public Works Department: Public Works Complex, Greenhouse, Compost Facility, Municipal Building, Library, Social Services, Finance Center, Snow removal, street repair and maintenance, construction, vehicle maintenance, street sweeping, right of way landscaping, Taylor Drive Facility, Courthouse, closed landfill

2. Parks and Recreation Department: City Parks and Playgrounds, River Walk Trail, Recreation Centers, Carrington Pavilion, Community Market, Farmer's Market
3. Transportation Services: Airport, Mass Transit
4. Fire Department: Fire Stations, Fire Training Center
5. Utilities Department: Utilities Complex, Power and Light Facilities, Water Treatment Plant, Wastewater Treatment Plant, Construction
6. Danville Public Schools: Schools, maintenance building

STATUS: It is intended that this goal will be met by the specified date.

- Each O&M Plan will include the following:
 1. Location map of the facilities each department manages with an emphasis on the "hotspot" facilities.
 2. Material storage locations.
 3. List of operations or activities that each department performs that may contribute to stormwater pollution and how that pollution can be prevented.
 4. Housekeeping procedures.

STATUS: It is intended that this goal will be met by the specified date.

BMP 6.2: Municipal services that reduce stormwater pollution

Existing: Policies

Responsibility for Implementation: Public Works

BMP Objective: To provide services to remove and properly dispose of waste

Expected Results: Less stormwater pollution from listed items

Implementation Schedule: currently implemented

Evaluation of Effectiveness: cleanliness of the City

Measurable Goals and Status of each Goal:

- Dead animal pickup – Public Works removes and disposes of dead animals from the right of way including deceased pets.

STATUS: The Danville Public Works Department continues to provide this service. On average, 600 dead animals are picked up each year.

- Recycling – The City has three recycling centers. Public Works is responsible for emptying containers from the recycling centers to a warehouse in South Boston. Since 1992, the City of Danville has met the Virginia State mandated 25% recycling rate each year.

STATUS: The Danville Public Works Department continues to provide this service. There is also a pilot curbside recycling program underway.

- Yard Waste Collection – The Yard Waste Section of the Sanitation Division is responsible for collecting yard waste debris from 19,000 homes per week.

7,500 tons of yard waste is collected and disposed of at the compost facility annually.

STATUS: The Danville Public Works Department continues to provide this service.

- Leaf Collection - The City provides a leaf collection service for citizens from October 1 to January 30 each year. An average of 2,500 tons of leaves are collected and disposed of at the compost/mulch facility during leaf collection season.

STATUS: The Danville Public Works Department continues to provide this service.

- Refuse collection - The Sanitation Division is responsible for household garbage and bulk debris from 19,000 homes per week. 16,000 tons of refuse is collected and disposed of annually. The refuse is disposed of by First Piedmont.

STATUS: The Danville Public Works Department continues to provide this service.

- Litter collection - Three litter crews are responsible for keeping the primary thoroughfares litter free. Over 8,000 bags of litter are collected each year.

STATUS: The Danville Public Works Department continues to provide this service.

BMP 6.3: Municipal operations to reduce stormwater pollution

Existing: street sweeping and storm drain cleaning

Responsibility for Implementation: Public Works

BMP Objective: Cleaner streets and storm drains

Expected Results: Cleaner streets and storm drains

Implementation Schedule: currently implemented

Evaluation of Effectiveness: cleanliness of the City

Measurable Goals and Status of each Goal:

- Street Sweeping - Provide routine sweeping and cleaning of high traffic areas throughout the City where accumulations of debris occur so that the impact on stormwater systems is minimized. This includes the cleaning of all gutters, turning lanes, and underpasses located in the City. The City has three sweeper shifts.

STATUS: The Danville Public Works Department continues to provide this service.

- Storm drain cleaning – storm drains are cleaned on a complaint basis and by visual observation.

STATUS: The Danville Public Works Department continues to provide this service.

- Illicit discharges shall be eliminated for storage yards, fleet or maintenance shops, outdoor storage areas, rest areas, waste transfer stations, and other municipal facilities.

BMP 6.4: Elimination of illicit discharges from municipal facilities to the maximum extent practicable

Existing: policy

Responsibility for Implementation: Each listed department

BMP Objective: Elimination of illicit discharges from municipal facilities

Expected Results: Elimination of illicit discharges from municipal facilities

Implementation Schedule: complete by January 9, 2013

Evaluation of Effectiveness: Routine inspections

Measurable Goals and Status of each Goal:

- All municipal facilities will be inspected before January 9, 2013 to insure that there are no illicit discharges occurring from these facilities. All inspections will be documented and any illicit discharges that are discovered will be documented and corrected.

STATUS: It is intended that this goal will be met by the specified date.

- All applicable employees shall be educated about illicit discharges from municipal facilities.

STATUS: As facilities are inspected, applicable employees of that facility will be educated about illicit discharges that could occur from that facility.

- Vehicles and equipment will be washed in a designated wash bay or other designated wash areas.

STATUS: Vehicles and equipment are washed in a designated wash area.

- Vehicles and equipment maintenance and repairs shall be performed indoors when possible.

STATUS: This policy is currently implemented and remains in effect.

- c. Waste materials shall be disposed of properly.

BMP 6.5: Proper disposal of waste materials from municipal operations

Existing: disposal methods

Responsibility for Implementation: All applicable departments

BMP Objective: Proper disposal of waste

Expected Results: Proper disposal of waste

Implementation Schedule: currently implemented

Evaluation of Effectiveness: Routine inspections

Measurable Goals and Status of each Goal:

- All waste materials from municipal operations shall be disposed of properly.

STATUS: All waste materials continue to be disposed of properly.

- The following waste materials from municipal operations shall be recycled: used motor oil, used hydraulic fluid, used batteries, used antifreeze, tires, metal.

STATUS: The aforementioned waste materials continue to be recycled.

- All applicable employees shall be informed about proper waste disposal.

STATUS: All applicable employees are informed about proper waste disposal.

- d. Materials that are soluble or erodible shall be protected for exposure to precipitation.

BMP 6.6: Protection of soluble or erodible materials from exposure to precipitation

Existing: Policy

Responsibility for Implementation: All applicable departments

BMP Objective: Protection of soluble or erodible materials from exposure to precipitation

Expected Results: Protection of soluble or erodible materials from exposure to precipitation

Implementation Schedule: currently implemented

Evaluation of Effectiveness: n/a

Measurable Goals and Status of each Goal:

- Road salt for winter operations shall be stored in the salt dome.

STATUS: Road salt continues to be stored in the salt dome.

- Oils, grease, and other maintenance fluids will be stored in lidded containers.

STATUS: All maintenance fluids are stored in lidded containers.

- Exposure of other materials to the environment that are soluble or erodible will be minimized to the maximum extent practicable.

STATUS: Materials that are soluble or erodible have minimum exposure to the environment to the maximum extent practicable.

- All applicable employees shall be educated about proper storage of erodible and soluble materials.

STATUS: All applicable employees are educated concerning the proper storage of materials.

- e. Materials, including but not limited to fertilizers and pesticides, that have a potential to pollute receiving surface waters shall be applied according to manufacturer's recommendations.

BMP 6.7: Application of materials in accordance with manufacturer's recommendation or other recommendations

Existing: training

Responsibility for Implementation: All applicable departments

BMP Objective: To insure proper application of materials that could pollute receiving surface waters

Expected Results: No excess materials will be applied

Implementation Schedule: currently implemented

Evaluation of Effectiveness: Policy will be reviewed each year

Measurable Goals and Status of each Goal:

- Pesticide training and certification - all applicable municipal employees are trained and certified in the application of pesticides.

STATUS: All applicable employees are trained and certified in the application of pesticides.

- Fertilizer application – all applicable municipal employees will be trained in the proper application of fertilizers.

STATUS: All applicable employees are trained on the proper application of fertilizers.

- Road salt application - all applicable municipal employees will be trained on the proper application rates of road salt from spreaders.

STATUS: All applicable employees are trained on the proper application rates of road salt.

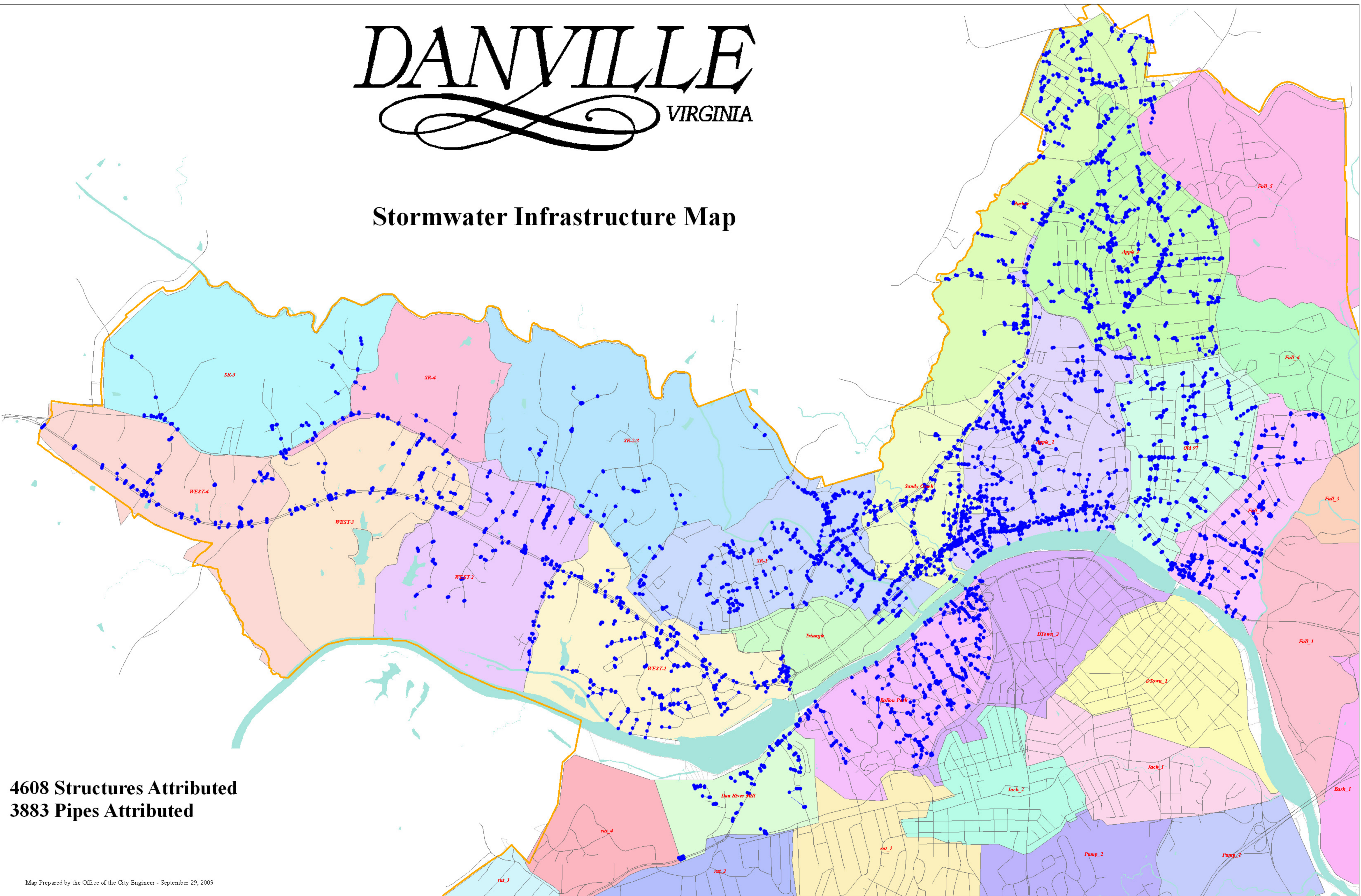
Section C

Maps

DANVILLE

VIRGINIA

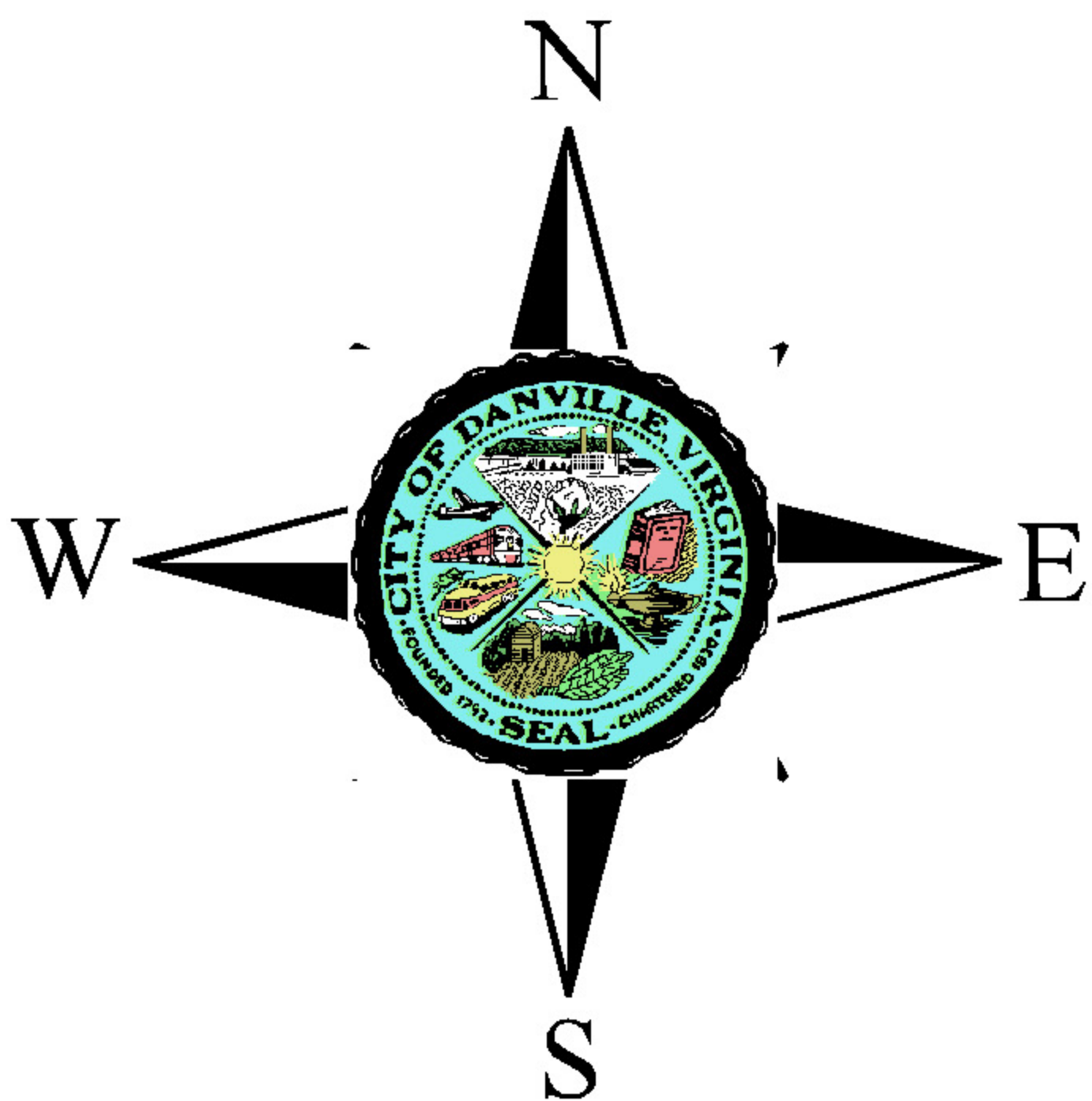
Stormwater Infrastructure Map



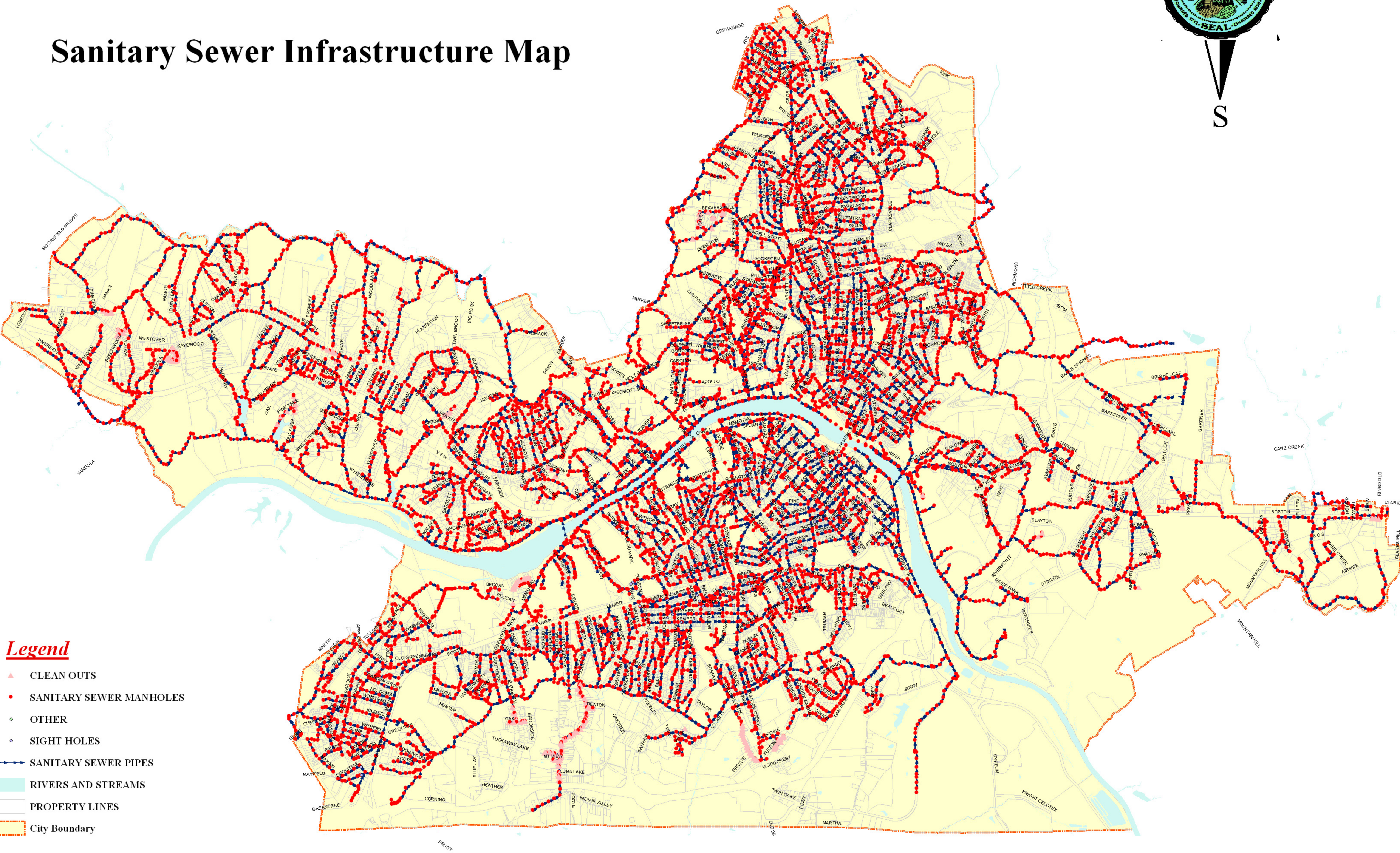
4608 Structures Attributed
3883 Pipes Attributed

DANVILLE

VIRGINIA

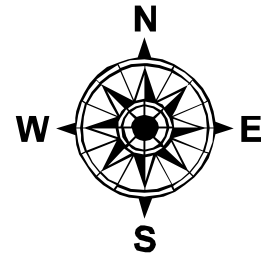


Sanitary Sewer Infrastructure Map



- Legend**
- ▲ CLEAN OUTS
 - SANITARY SEWER MANHOLES
 - ◊ OTHER
 - ◊ SIGHT HOLES
 - SANITARY SEWER PIPES
 - RIVERS AND STREAMS
 - PROPERTY LINES
 - City Boundary

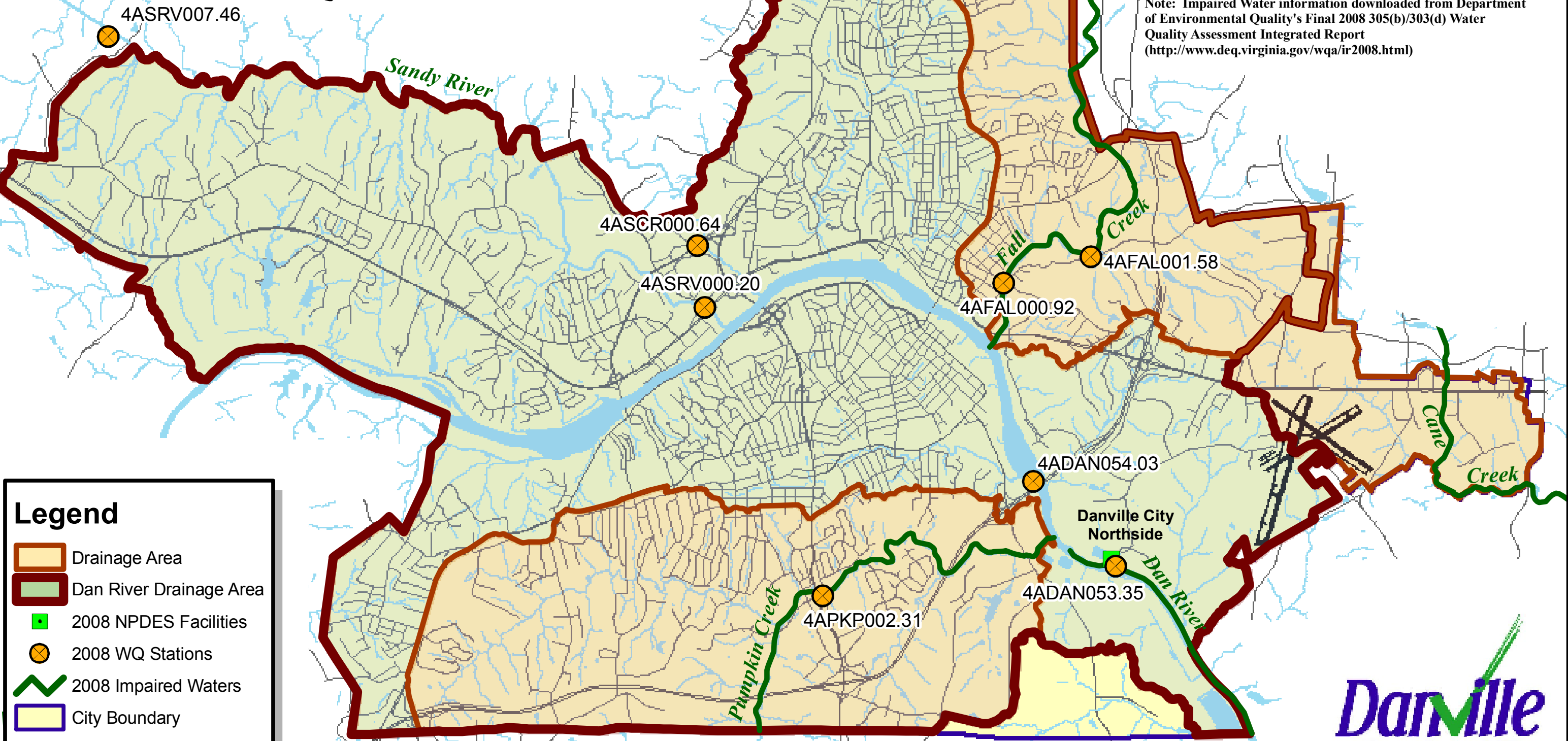
Impaired Waters Map



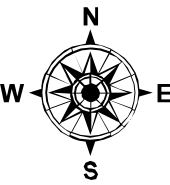
Impaired Waters/Drainage Basins

Name	Category	Miles	Drainage Area (Acres)
Fall Creek	5A	3.54	3,460
Pumpkin Creek	5A	3.94	5,210
Cane Creek	5A	1.85	1,350
Dan River	5A	2.14	26,100

Note: Impaired Water information downloaded from Department of Environmental Quality's Final 2008 305(b)/303(d) Water Quality Assessment Integrated Report (<http://www.deq.virginia.gov/wqa/ir2008.html>)



Stormwater Management Facilities



Legend

BMP Type

- Detention, 1989-2002
- Detention, 2003-2009
- Extended Detention
- Retention
- ✕ Grass Swale
- ▲ Infiltration Basin/Trench
- ✚ Manufactured BMPs
- ✱ Rain Garden

